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Sp. (1 fig. omitted).
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p. 266-269 and 311-312.

DESCRIPTORS: *Plants, Paleogeology, Geology.

(Earth Sciences--Geology, TT, v. 8, no. 1)

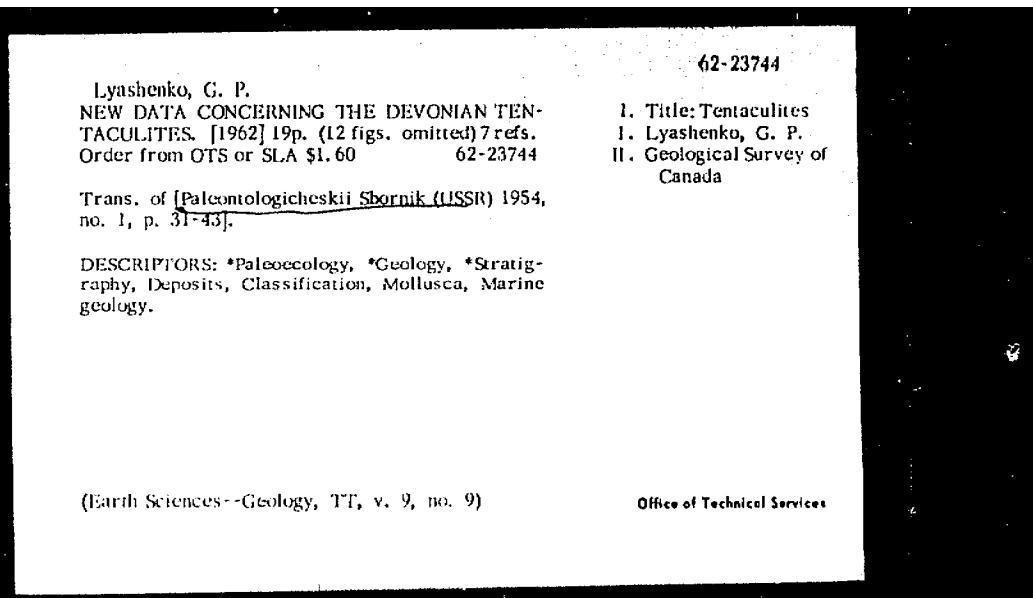
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I. Krishtofovich, A. N.
II. Geological Survey of
Canada

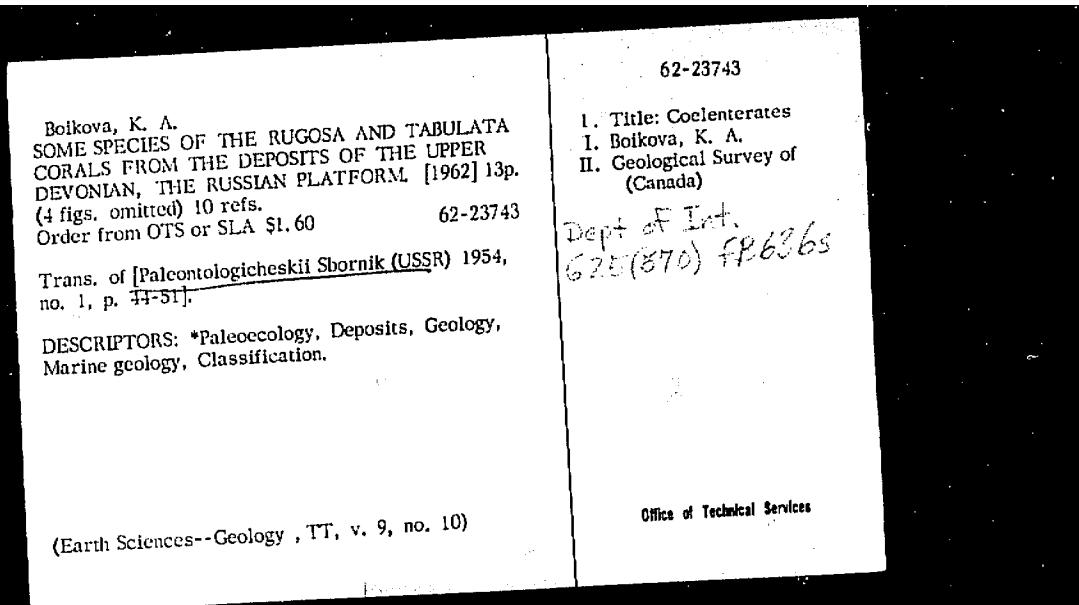
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NLL RTS 1949

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DESCRIPTORS: Scientific research, *Plants (Botany),
Taxonomy, *Geology.

61-19747

(Earth Sciences--Geology, TT, v. 10, no. 3)

Office of Technical Services

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Beker-Migdisova, E. E.
A NEW GENUS OF BORISROHDENDORFIA
(HOMOPTERA) FROM THE KUZNETS SERIES OF
THE KUZNETS BASIN. [1961] [4p. 3 refs.
Order from OTS or SLA \$1.10 61-27881

Trans. of Paleontologicheskii Zhurnal (USSR) 1959,
no. 3, p. 138-140.

DESCRIPTORS: "Insects, Paleoecology, "Homoptera.

In the materials collected by the Kuzbass Paleontological Expedition in 1957 there was found a very interesting insect wing, with coloring preserved in the form of spots inside the cells. A description of this form is given. (Author)

(Biological Sciences--Zoology, TT, v. 8, no. 2)

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I. Beker-Migdisova, E. E.
II. Translations, New York

Office of Technical Services

Ivanova, E. A.
ON THE SYSTEMATICS AND EVOLUTION OF THE
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omitted).

Order from OTS or SLA \$2.60 61-15887

Trans. from Paleontologicheskii Zhurnal (USSR) 1959,
no. 4.

DESCRIPTORS: *Crustacea, *Paleoecology, *Classification,
Anatomy, Geology, Growth, Geological time.

(Earth Sciences--Geology, TT, v. 8, no. 3)

61-15887

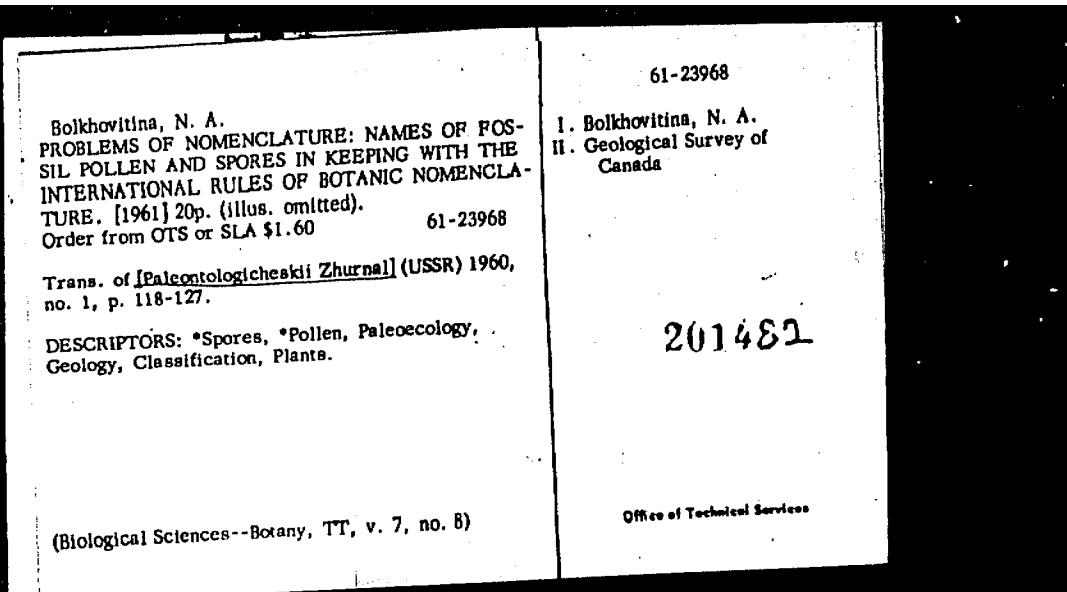
I. Title: Spiriferidae
I. Ivanova, E. A.
II. Geological Survey of Canada

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NRC Ref: C-5731

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by V. A. Ivanova, 14 pp.

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Q53 E57 No 47

Sci - Geophys

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PALEOZOIC HOMOPTERA OF THE USSR AND
PROBLEMS OF THEIR PHYLOGENY. [1963] [18]p.

34 refs.
Order from OTS or SLA \$1. 60

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'Trans. of Paleontologicheski Zhurnal (USSR) 1960,
no. 3, p. 25-42.

DESCRIPTORS: Paleontology, *Homoptera, Insects,
Taxonomy, *Evolution, Ecology, Adaptation
(Physiology), *Genetics.

An historical investigation of the development of the
Homoptera discloses that the origin of the Homoptera
is the result of a new trait in the blattoid ancestors
with rasping maxillae. This new trait, a singular type
of exchange with the environment, specifically, the
sucking of plant sap, entailed the development of a new
(Biological Sciences--Zoology, TT, v. 10, no. 12)(over)

63-19264

I. Bekker-Miglisova, E. E.
II. Translations, New York

Office of Technical Services

New Late Devonian Ostracodes From the Central
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RUSSIAN, per, Paleontol Zhur, No 3, 1960,
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Sci - Geophys

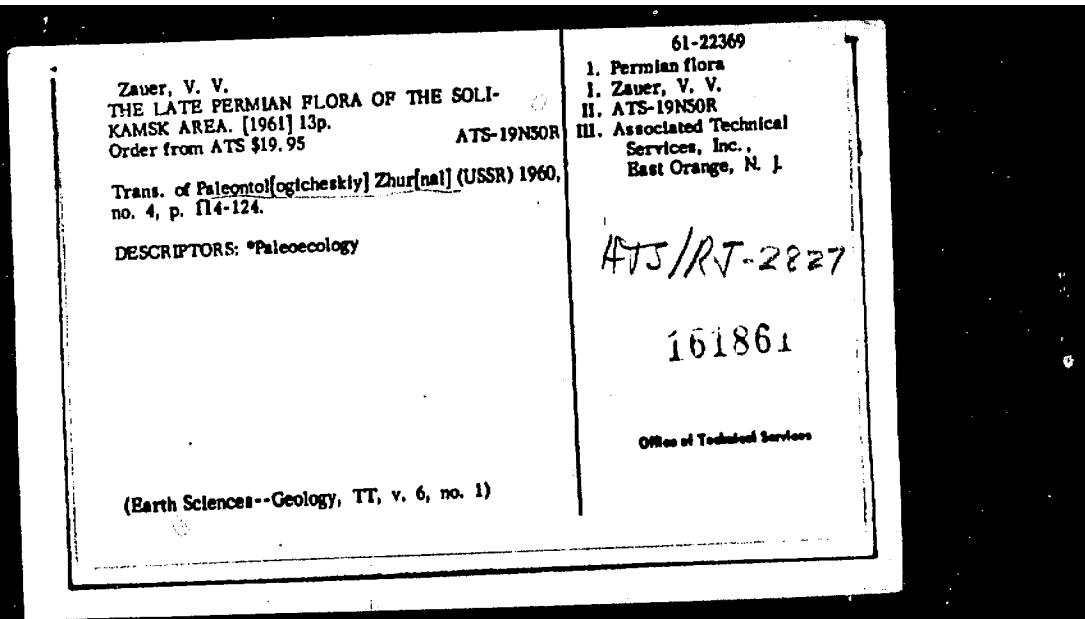
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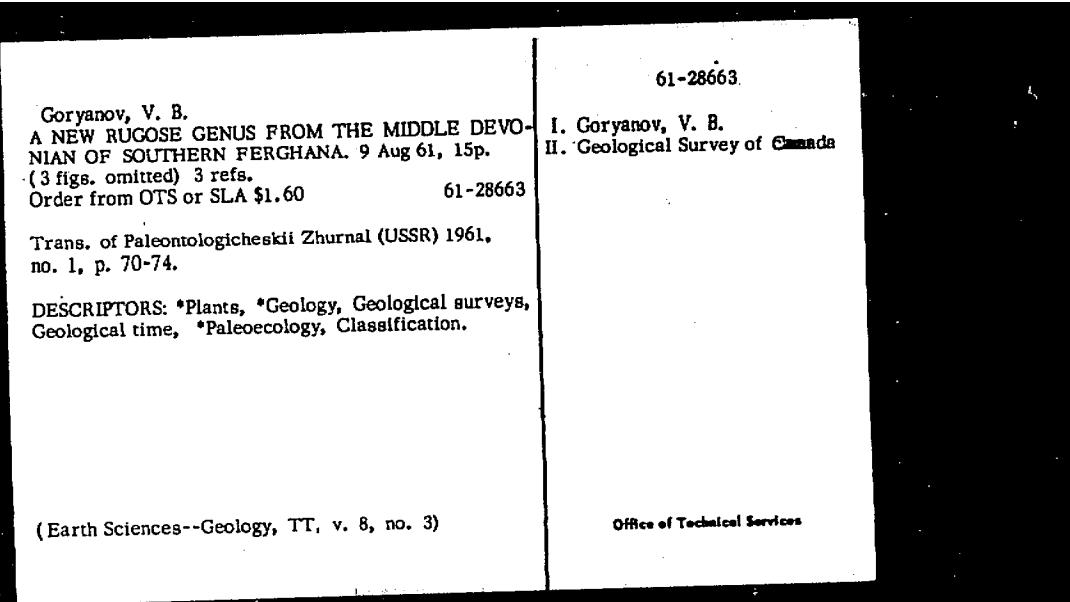
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JPRS 10236

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<p>Paddeyeva, I. Z. MEGASPORES FROM THE JURASSIC OF WESTERN KAZAKHSTAN. [1961] 6p. Order from ATS \$7.00</p> <p>Trans. of Paleontol[ogicheaskiy] Zhur[nal] (USSR) 1960, no. 4, p. [23-125].</p> <p>DESCRIPTORS: *Spores, *Paleoecology, *Geology, USSR.</p> <p>(Earth Sciences--Geology, TT, v. 6, no. 1)</p>	<p>61-22362</p> <p>I. Paddeyeva, I. Z. II. ATS-20NSOR III. Associated Technical Services, Inc., East Orange, N. J.</p> <p>ATS/RT-2826</p> <p>161850</p> <p>Office of Technical Services</p>
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Pseudosuchians of the USSR, by L. P. Tatarinov,
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NLL RTS 3857
ON LOAN ONLY

Sci-Ear Sci
Jul 67

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(SF-1878)

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JPRS 10416

Sci - Geophys

172, 017

Oct 61

(SF-1370)

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RUSSIAN, per, Paleontologicheskiy Zhur, No 2, 1961,
pp 141-143.

JPRS 10415

Sci - Geophys

172, 016

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Makridin, V. P.
POLYTYPIC CONCEPT OF THE SPECIES AND ITS
APPLICATION TO THE STUDY OF MESOZOIC
BRACHIOPODS (Politipicheskaya Konseptsiya Vida i
Opyt Ee Primeneniya pri Izuchenii Mezozoiskikh
Brachiopod). Nov 63, 10p 24refs
Order from AGI \$5.00 in International Geology Review,
v. 5, no. 11, p. 1477-1486

Trans. of Paleontologicheskii Zhurnal (USSR) 1962,
no. 1, p. 7-18. (Abstract available)

DESCRIPTORS: *Paleontology, Taxonomy, Ecology,
Biology, Geology.

A philosophical discussion of the polytypic species concept, stressing the importance of the use and recognition of a number of different intraspecific categories including subspecies, forms ecomorpha, and aberrations. Definitions, genetic, occurrence, and environmental significance are discussed and examples given. (AGI Abstracts)

TT-63-17713-11 (p. 1477-1486)

- I. Title: Brachiopods
I. Makridin, V. P.
II. American Geological Inst.,
Washington, D. C.

(Biological Sciences--
(Biochemistry, TT, v. 11, no. 11)

Office of Technical Services

Gustomesov, V. A.
SIGNIFICANCE OF THE LATERAL FURROWS ON
THE ROSTRUM FOR THE DEVELOPMENT OF
BELEMNITE TAXONOMY (O Znachenii Bokovykh
Borozd dlya Razrabotki Sistematiki Belennitov).

Nov 63, 9p 16refs
Order from AGI \$5.00 in International Geology Review,
v. 5, no. 11, p. 1487-1495

Trans. of Paleontologicheskii Zhurnal (USSR) 1962,
no. 1, p. 31-40. (Abstract available)

DESCRIPTORS: *Paleontology, *Taxonomy,
Cephalopoda, Biology, Geology.

Belemnite rostra bear longitudinal furrows of various kinds, ranging considerably in strength. The present systematic classification of belemnites is based on characters other than the generally indistinct marginal or lateral furrows which, nevertheless, are important because they probably are attachment scars for the fins. (Biological Sciences--Geology, TT, v. 11, no. 11) (over)

TT-63-17713-11 (p. 1487-1495)

- I. Title: Belemnite
- II. Gustomesov, V. A.
- III. American Geological Inst.,
Washington, D. C.

Office of Technical Services

Bondarenko, O. B.
CONVERGENCES IN TABULATE CORALS OF THE
GENERA LIOPORA AND NYCTOPORA FROM THE
UPPER ORDOVICIAN DEPOSITS OF THE TARBAGATAI
RANGE (O Konvergentsii u Tabulyat Rodov Liopora i
Nyctopora iz Verkhnego Ordovika Khibra Tarbagatai).

Nov 63, 9p 2rels
Order from AGI \$5.00 in International Geology Review,
v. 5, no. 11, p. 1501-1509

Trans. of Paleontologicheskiy Zhurnal (USSR) 1962,
no. 1, p. 58-165].

DESCRIPTORS: *Paleontology, Limestone, *Coral,
Morphology (Biology), Geology.

The significance of the ramosae (branching) growth form
in tabulate and heliolitid corals and trepostomate
bryozoans is discussed and parallel morphological de-
velopments are noted in several unrelated groups. The
genera Liopora and Nyctopora are redescribed along
with a new species of each. (AGI Abstract)

TT-63-17713-11 (p. 1501-1509)

1. Title: Liopora
2. Title: Nyctopora
3. Bondarenko, O. B.
4. American Geological Inst.,
Washington, D. C.

(Biological Sciences--
Geology, TT, v. 11, no. 11)
Office of Technical Services

<p>Popov, Yu. A. SYSTEMATIC POSITION AND IDENTIFICATION OF THE JURASSIC AQUATIC HEMIPTERA BELONGING TO THE GENUS KARATAVIELLA (K Sistematischekou Polozheniyu i Poznaniyu Yursikh Predstavitelei Vodnykh Potzhestko-krylykh Roda <u>Karataviella</u>). Nov 63, 5p 9refs Order from AGI \$5.00 in International Geology Review, v. 5, no. 11, p. 1496-1500</p> <p>Trans. of <u>Paleontologicheskii Zhurnal</u> (USSR) 1962, no. 1, p. 105-110.</p> <p>DESCRIPTORS: *Paleontology, Taxonomy, Ecology, *Hemiptera, Biology, Geology.</p> <p>Adults and nymphs of a Jurassic notonectid are described and their evolutionary and paleoecologic significance are discussed. (AGI Abstract)</p> <p>(Biological Sciences--Geology, TT, v. 11, no. 11)</p>	<p>TT-63-17713-11 (p. 1496-1500)</p> <p>I. Popov, Yu. A. II. American Geological Inst., Washington, D. C.</p> <p>Office of Technical Services</p>	
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Vologdin, A. G.
THE ANATOMY OF THE ARCHAEOCYATHIDS
(K Anatomii Arkheotsyat). Dec 63, 13p 18refs
Order from AGI \$5.00 In International Geology Review,
v. 5, no. 12, p. 1635-1647

Trans. of Paleontologicheskii Zhurnal (USSR) 1962,
no. 2, p. 9-20.

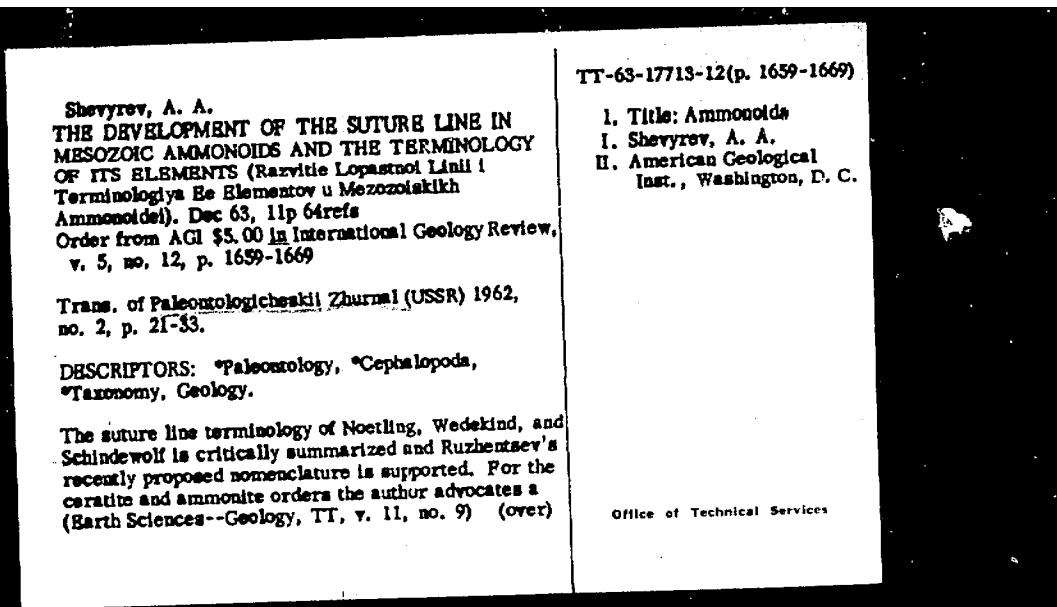
DESCRIPTORS: "Paleontology, Aquatic animals,
Morphology (Biology), Geology.

Evidence for the internal nature of the archaeocyathid
skeleton, for attachment of individuals of one species
to skeletons of another, for asexual budding as one
form of archaeocyathid reproduction, and for the
existence of some colonial archaeocyathids is reviewed,
with illustrations. Emphasis is placed on evidence for
the nature of the soft tissues that composed in the
archaeocyathid body. (Translator)
(Earth Sciences--Geology, TT, v. 11, no. 9)

TT-63-17713-12(p. 1635-1647)

- I. Title: Archaeocyathids
- II. Vologdin, A. G.
- III. American Geological
Inst., Washington, D. C.

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Missarzhevskii, V. V. and Rozanov, A. Yu.
ON THE MORPHOLOGY OF THE OUTER WALLS
OF REGULAR ARCHAEOCYATHIDS (K Morfologii
Naruzhnykh Stenok Pravil'nykh Arkheosat). Dec 63,
11p 24refs
Order from AGI \$5.00 in International Geology Review,
v. 5, no. 12, p. 1648-1658

Trans. of Paleontologicheski Zhurnal (USSR) 1962,
no. 2, p. 34-44. (Abstract available)

DESCRIPTORS: *Paleontology, Aquatic animals,
Morphology (Biology), Geology.

The types of outer wall structure in regular arch-
aeocyathids can be grouped into six classes: a) walls
with simple pores; b) walls with additional formations
around the pore apertures; c) walls with knee-shaped
curvature of the pore canals; d) walls with an additional
porous sheath; e) reticulate walls; and f) walls with
(Earth Sciences--Geology, TT, v. 11, no. 9) (over)

TT-63-17713-12(p. 1648-1658)

- I. Title: Archaeocyathidae
- II. Missarzhevskii, V. V.
- III. Rozanov, A. Yu.
- III. American Geological
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Nevezkaya, L. A.
THE ONTOGENETIC DEVELOPMENT OF THE
HINGE IN SOME SPECIES OF BLACK SEA
BIVALVED MOLLUSKS (Ob Ontogeneticheskom
Razvitiil Zamka u Nekotorykh Vidov Chernomorskikh
Dvustvorchatykh Mollusakov). Doc 63, 20p 12refs
Order from AGI \$5.00 in International Geology Review,
v. 5, no. 12, p. 1681-1700

Trans. of Paleontologicheskii Zhurnal (USSR) 1962,
no. 2, p. 49-70. (Abstract available)

DESCRIPTORS: *Paleontology, *Mollusca,
*Evolution, *Black Sea, Geology.

Three lines of hinge development, namely Anisomyaria,
Heterodontia, and Desmodonta, are examined.
Anisomyaria is represented by the families Mytilidae
and Ostreidae. With the Heterodontia two lines of
development are recognized in the species studied.
(Earth Sciences--Geology, TT, v. 11, no. 9) (over)

TT-63-17713-12(p. 1681-1700)

I. Nevezkaya, L. A.
II. American Geological
Inst., Washington, D. C.

Office of Technical Services

Methods of Analysis of Spores and Pollen, by
S. E. Maislish.

RUSSIAN, per, Paleontologicheskiy Zhur, Vol II,
No 2, 1962, pp 160-162.

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Some Early Triassic Rmonoids From the Northern
Caucasus, by Yu. N. Popov. 6 pp.
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The Origin of the Family Horridoniidae Muir-Wood
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AGI in International Geology Review, Vol 6, No 4,
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Birabstein, Ya. A. PALACOPHREATOCUS SOJANENSIS GEN. ET SP. NOV. AND SOME PROBLEMS CONCERNING THE PHYLOGENY AND THE ZOOGEOGRAPHY OF ISOPODA CRUSTACEANS (ISOPODA) (Palaeophreatocus Sojanensis Gen. et Sp. Nov. I Nekotorye Voprosy Filogenii i Zoogeografii Ravnogorskikh Rakooobraznykh (Isopoda). 29p. (foreign text included). 25 refs. DTC-28.	63-26962 I. Birabstein, Ya. A. II. DTC-28 III. Danish Translations Centre, Riso	
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Unedited draft trans. of <u>Paleontologicheskii Zhurnal</u> (USSR) 1962, no. 3, p. 65-80.		
DESCRIPTORS: *Crustacea, Paleoecology.		
(Earth Sciences--Geology, TT, v. 10, no. 10)	Office of Technical Services	

The Tortonian Flora of Swoszowice and the Pliocene Floras of Transcarpathia, by I. A. Il'inskaya.
8 pp.
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AGI in International Geology Review, V 6, No 4,
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Preparations for the Interdepartmental Conference
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RUSSIAN, per, Paleontologicheskii Zhurnal, No 3,
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AGI in International Geology Review, V 6, No 4,
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Sci/Earth Sci
May 67

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Functioning of the Sound-Conducting Mechanisms of
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RUSSIAN, per, Paleont Zhurnal, 1962, no.4, pp.21-30.
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The Problem of the Origin of the Early Cambrian Fauna,
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of the Kuznets Basin, by T.G.Sarycheva and A.N.

Sokol'skaya

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Some Representatives of the Family Plerophyllidae
from Thepermian-Triassic Beds of Dzhul'fa, by
T.G. IL"INA
RUSSIAN, per, Paleont Zhurnal, 1962, no.4, pp.70-82.
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On the Systematics and Phylogeny of Fenestelloidea,
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New Late-Triassic Spiriferinaceae of the North-west Caucasus, A. S. Dagis.

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AGI in International Geology Review,
v. 6, no. 10, pp 1814-1821

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On the Evolution of Serranian Mactrids
in the Borisovsk Bay, by L. S.
Belokrysy, 20 pp.
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Revision of the Genus *Piscomyces*,
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ter from the Upper Cretaceous Deposits
of Turkmenia and Azerbaijan, by
A. N. Solov'ev, O. G. Malikov, 5 pp.
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Spores and Pollen of New species of
Mesozoic Plants in the Turgay Valley,
by G. M. Romanovskaya, 8 pp.
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Vol 2, 1963, pp 3-16.
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<p>Chuvashov, B. I. CONTRIBUTION TO THE ECOLOGY OF LATE FRASNIAN FORAMINIFERA AND ALGAE. [1964] 8p Order from ATS \$9.90 ATS-44Q73R</p> <p>Trans. of Paleontol[ogicheskii] Zh[urnal] (USSR) 1963, no. 3, p. 3-9.</p>	<p>TT-64-12675</p> <p>I. Chuvashov, B. I. II. ATS-44Q73R III. Associated Technical Services, Inc., East Orange, N. J.</p>	
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RUSSIAN, mono, Palestinskaya Problema, Moscow,
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<p>Neishtadt, M. I. THE HISTORY OF PALYNOLOGY OF THE U. S. S. R. [1962] [87]p. (19 figs. omitted) 8 refs. Order from OTS or SLA \$8.60 62-23841 Trans. of mono. <u>[Palinologiya v SSSR; 1952-57 Gody,</u> Moscow, 1960] p. 1-46.</p> <p>DESCRIPTORS: History, *Pollen, Spores, Plants.</p>	<p>62-23841</p> <p>I. Title: Palynology I. Neishtadt, M. I. II. Geological Survey of Canada</p>	
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The Role of Sulfate-Reducing Bacteria in the Life
and History of Oil Deposits, by L. D. Shturm, 12 pp.

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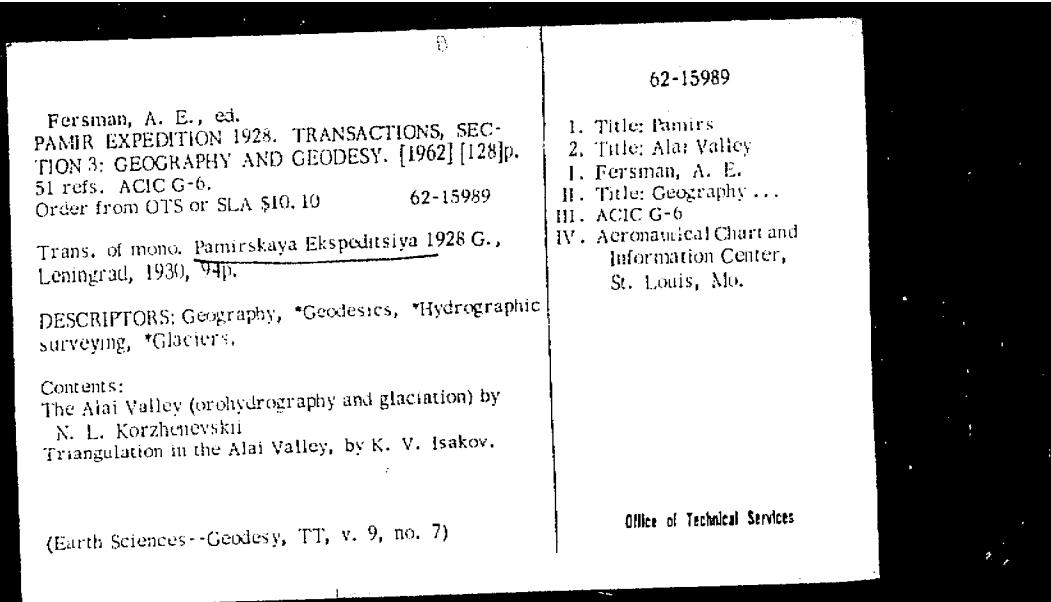
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Mar 62



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[1962] [41]p. ACIC RR-30.
Order from OTS or SLA \$4.60 63-13561

Trans. of mono Pamirskaya Ekspeditsiya 1928 (The Pamir Expedition of 1928) n. p., 1929, v. 1, p. 1-13; 39-48 and 55-56.

DESCRIPTORS: Germany, *High altitude, *Exploration, Scientific organizations, Instrumentation, Terrestrial magnetism, Surveying.

Contents:

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Tasks of the Pamir expedition and its scientific equipment
Completed work and basic results
Work of the magnetic group.
(Earth Sciences--Geodesy, TT, v. 9, no. 10)

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- I. Title: Pamir region
- II. Gorbulov, N. P.
- III. Shcherbakov, D. I.
- IV. Title: Pamir ...
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PAMIR EXPEDITION 1931, TRANSACTIONS,
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Leningrad, 1933, 149p.

DESCRIPTORS: *Geology, Geophysical prospecting,
Mountains, Geodesics, *Geodetic astronomy,
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posits, Asia.

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tion of 1931, by I. D. Zhongolovich
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- I. Title: Pamirs
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